



DECLARATION FOR PATENT APPLICATION

Attorney Docket No: T103 1580.1

Below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe:

I am the original, first and sole inventor
 I am an original, first and joint inventor

of the subject matter which is claimed and for which a patent is sought on the invention entitled

Pharmaceutical Compositions and Methods for Relieving Pain and Treating Central Nervous System Disorders

the specification of which:

is attached hereto.
 was filed on October 15, 2004 and was assigned Application Serial No. 10/711,969.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119 of any United States provisional patent application, foreign application(s) for patent or inventor's certificate listed below and/or any international priority benefits under Title 35, United States Code, § 365 based on the following foreign and/or international application(s) listed below, and also identify below any United States provisional patent application, foreign and/or international application(s) for patent or inventor's certificate having a filing date before that of the above-identified application(s) on which priority is claimed:

Prior Application Number(s)	Country	Filing Date
60/511,697	US	October 15, 2003

I hereby claim the benefit under Title 35, United States Code, §120 of any United States patent application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior Application(s) Number(s)	Filing Date

Please address all telephone calls, in the first instance, to Carl B. Massey, Jr. at telephone number: (336) 721-3681.

Address all correspondence to:

Carl B. Massey, Jr.
WOMBLE CARLYLE SANDRIDGE & RICE
Post Office Box 7037
Atlanta, Georgia 30357-0037

Customer No.:

26158

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statement and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

First Inventor's Signature Scott Breining Date: 8/1/05

Full Name of First Inventor: Scott R. Breining

Residence 2363 Rosewood Avenue, Winston-Salem, NC 27103 Citizenship US

Post Office Address 2363 Rosewood Avenue, Winston-Salem, NC 27103

Second Inventor's Signature Balwinder S. Bhatti Date: 7-28-2005

Full Name of Second Inventor: Balwinder S. Bhatti

Residence 2536 Polo Road, Winston-Salem, NC 27106 Citizenship US

Post Office Address 2536 Polo Road, Winston-Salem, NC 27106

Third Inventor's Signature _____ Date: _____

Full Name of Fourth Inventor: Gregory D. Hawkins

Residence 1320 #135 Fillmore Avenue, Charlotte, NC 28203 Citizenship US

Post Office Address 1320 #135 Fillmore Avenue, Charlotte, NC 28203

Fourth Inventor's Signature Lan Miao Date: 7/28/2005

Full Name of Third Inventor: Lan Miao

Residence 226 March Ferry Road, Advance, NC 27006 Citizenship US

Post Office Address 226 March Ferry Road, Advance, NC 27006

Fifth Inventor's Signature Anatoly Mazurov Date: 07/28/2005

Full Name of Seventh Inventor: Anatoly Mazurov

Residence 3704 Timberoak Drive, Greensboro, NC 27410 Citizenship US

Post Office Address 3704 Timberoak Drive, Greensboro, NC 27410

Sixth Inventor's Signature Teresa Y. Phillips Date: 7-28-05

Full Name of Fifth Inventor: Teresa Y. Phillips

Residence 4713 Whitby Place, Greensboro, NC 27406 Citizenship US

Post Office Address 4713 Whitby Place, Greensboro, NC 27406

Seventh Inventor's Signature Craig H. Miller Date: July 28, 2005

Full Name of Sixth Inventor: Craig H. Miller

Residence 1564 Sharon Road, Winston-Salem, NC 27103 Citizenship US

Post Office Address 1564 Sharon Road, Winston-Salem, NC 27103



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First Inventor's Signature Scott Breining Date: 8/1/05Full Name of First Inventor: Scott R. BreiningResidence 2363 Rosewood Avenue, Winston-Salem, NC 27103 Citizenship USPost Office Address 2363 Rosewood Avenue, Winston-Salem, NC 27103Second Inventor's Signature Balwinder S. Bhatti Date: 7-28-2005Full Name of Second Inventor: Balwinder S. BhattiResidence 2536 Polo Road, Winston-Salem, NC 27106 Citizenship USPost Office Address 2536 Polo Road, Winston-Salem, NC 27106Third Inventor's Signature Gregory D. Hawkins Date: 8/10/05Full Name of Fourth Inventor: Gregory D. HawkinsResidence 1320 #135 Fillmore Avenue, Charlotte, NC 28203 Citizenship USPost Office Address 1320 #135 Fillmore Avenue, Charlotte, NC 28203Fourth Inventor's Signature Lan Miao Date: 7/28/2005Full Name of Third Inventor: Lan MiaoResidence 226 March Ferry Road, Advance, NC 27006 Citizenship USPost Office Address 226 March Ferry Road, Advance, NC 27006Fifth Inventor's Signature Anatoly Mazurov Date: 07/28/2005Full Name of Seventh Inventor: Anatoly MazurovResidence 3704 Timberoak Drive, Greensboro, NC 27410 Citizenship USPost Office Address 3704 Timberoak Drive, Greensboro, NC 27410Sixth Inventor's Signature Teresa Y. Phillips Date: 7-28-05Full Name of Fifth Inventor: Teresa Y. PhillipsResidence 4713 Whitby Place, Greensboro, NC 27406 Citizenship USPost Office Address 4713 Whitby Place, Greensboro, NC 27406Seventh Inventor's Signature Craig H. Miller Date: July 28, 2005Full Name of Sixth Inventor: Craig H. MillerResidence 1564 Sharon Road, Winston-Salem, NC 27103 Citizenship USPost Office Address 1564 Sharon Road, Winston-Salem, NC 27103

ASSIGNMENT

Whereas, we, **SCOTT R. BREINING**, 2363 Rosewood Avenue, Winston-Salem, North Carolina, **BALWINDER SINGH BHATTI**, 2636 Polo Road, Winston-Salem, North Carolina, **GREGORY D. HAWKINS**, 423 Brent Street, Winston-Salem, North Carolina, **LAN MIAO**, 226 March Ferry Rd., Advance, North Carolina, **ANATOLY MAZUROV**, 3704 Timberoak Dr., Greensboro, North Carolina, and **CRAIG HARRISON MILLER**, 1564 Sharon Road, Winston-Salem, North Carolina, have invented a new and useful Improvement in PHARMACEUTICAL COMPOSITIONS AND METHODS FOR RELIEVING PAIN AND TREATING CENTRAL NERVOUS SYSTEM DISORDERS, for which a provisional application was filed on October 15, 2003 and assigned Serial No. 60/511,697.

Now, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by Targacept, Inc., a corporation organized under the laws of the State of Delaware, having a principal place of business at 200 East First Street, Suite 300, Winston-Salem, North Carolina 27101, the receipt whereof is hereby acknowledged, and in fulfillment of our pre-existing obligation of assignment, we do hereby assign, sell, and transfer unto the said Targacept, Inc., its successors and assigns, the entire right, title, and interest in said invention and application (including all inventions disclosed therein) for the United States and all countries foreign thereto, and any Letters Patent which may issue therefor in the United States and all countries foreign thereto and all divisions, reissues, continuations, extensions thereof. The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the invention and application above mentioned, that the same are unencumbered, that no license has been granted to make, use, or sell the said invention, and that we have the full right to make this assignment, and agree that we will communicate to said assignee or its representatives any facts known to us respecting said invention, and will, upon request, testify in any interference proceedings, sign all lawful papers, execute all divisional, continuing, or reissue applications, make all rightful oaths, and generally do everything which in the opinion of said assignee or its attorneys may be reasonably required to aid said assignee to obtain full protection for said invention.

1/12/04

Scott R. Breining (SEAL)
Scott R. Breining

1/12/04
Date

Balwinder Singh Bhatti (SEAL)
Balwinder Singh Bhatti

1/12/09
Date

Gregory D. Hawkins (SEAL)
Gregory D. Hawkins

113104

Gregory D. Hawkins
Lan Miao (SEAL)
Lan Miao

01/13/04
Date

 (SEAL)
Anatoly Mazurov

1/12/04

Craig Harrison Miller (SEAL)
Craig Harrison Miller

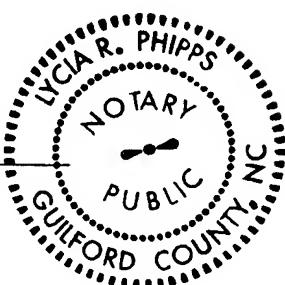
State of North Carolina)
: ss
County of Forsyth)

Before me, a Notary Public for said County, personally appeared **Scott R. Breining**, known to me to be the person who executed the foregoing instrument and acknowledged it to be his/her act and deed.

Witness my hand and seal this 12 day of January, 2006.

Lucie R. Phillips
Notary Public

My commission expires: 9-19-2004

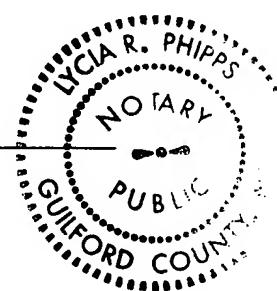


State of North Carolina)
: ss
County of Forsyth)

Before me, a Notary Public for said County, personally appeared **Balwinder Singh Bhatti**, known to me to be the person who executed the foregoing instrument and acknowledged it to be his/her act and deed.

Witness my hand and seal this 12th day of January, 200³.

Lycia R. Phipps
Notary Public



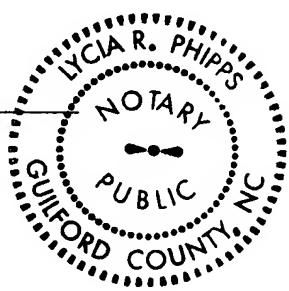
My commission expires: 9-19-2004

State of North Carolina)
: ss
County of Forsyth)

Before me, a Notary Public for said County, personally appeared **Gregory D. Hawkins**, known to me to be the person who executed the foregoing instrument and acknowledged it to be his/her act and deed.

Witness my hand and seal this 12th day of January, 200³.

Lycia R. Phipps
Notary Public



My commission expires: 9-19-2004

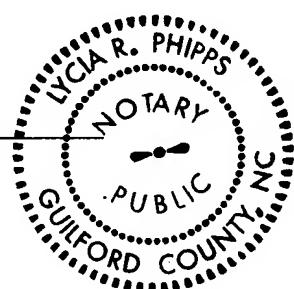
State of North Carolina)
: ss
County of Forsyth)

Before me, a Notary Public for said County, personally appeared **Lan Miao**, known to me to be the person who executed the foregoing instrument and acknowledged it to be his/her act and deed.

Witness my hand and seal this 13th day of January, 2003.

Lycia R. Phipps
Notary Public

My commission expires: 9-19-2004



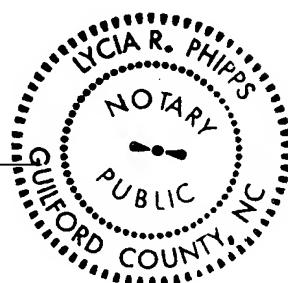
State of North Carolina)
: ss
County of Forsyth)

Before me, a Notary Public for said County, personally appeared **Anatoly Mazurov**, known to me to be the person who executed the foregoing instrument and acknowledged it to be his/her act and deed.

Witness my hand and seal this 13th day of January, 2003.

Lycia R. Phipps
Notary Public

My commission expires: 9-19-2004



State of North Carolina)
: ss
County of Forsyth)

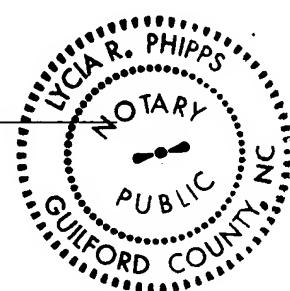
Before me, a Notary Public for said County, personally appeared **Craig Harrison Miller**, known to me to be the person who executed the foregoing instrument and acknowledged it to be his/her act and deed.

Witness my hand and seal this 12th day of January, 2008.

Lucia R. Phillips
Notary Public

Notary Public

My commission expires: 9/19/04



Docket No.: T103 1580.1

ASSIGNMENT

Whereas, I, **TERESA Y. PHILLIPS**, of 4713 Whitby Place, Greensboro, North Carolina 27406, have invented a new and useful Improvement in PHARMACEUTICAL COMPOSITIONS AND METHODS FOR RELIEVING PAIN AND TREATING CENTRAL NERVOUS SYSTEM DISORDERS, for which a nonprovisional application was filed on October 15, 2004, and assigned Serial No. 10/711,969, referencing a priority application filed October 15, 2003, and assigned U.S. provisional Serial No. 60/511, 697.

Now, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by Targacept, Inc. (Targacept), a corporation organized under the laws of the State of Delaware, having a principal place of business at 200 East First Street, Suite 300, Winston-Salem, North Carolina 27101, the receipt whereof is hereby acknowledged, I do hereby assign, sell, and transfer unto Targacept, its successors and assigns, my entire right, title, and interest in the invention and applications (including all inventions disclosed therein) for the United States and all countries foreign thereto, and any Letters Patent which may issue therefore in the United States and all countries foreign thereto and all divisions, reissues, continuations, extensions thereof. The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith.

As a joint inventor, I covenant that I am a lawful owner of the invention and application above mentioned, that my ownership is unencumbered, that I have granted no license to make, use, or sell the invention, and that I have the full right to make this assignment, and agree that I will communicate to the assignee or its representatives any facts known to me respecting the invention, and will, upon request, testify in any interference proceedings, sign all lawful papers, execute all divisional, continuing, or reissue applications, make all rightful oaths, and generally do everything which in the opinion of the assignee or its attorneys may be reasonably required to aid the assignee to obtain full protection for the invention.

7/28/1
Date

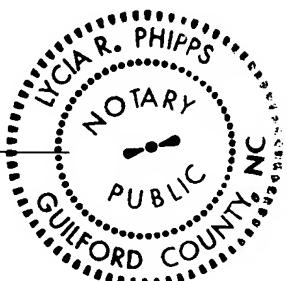
Teresa Y. Phillips (SEAL)
Teresa Y. Phillips

State of North Carolina)
County of Guilford) : ss

Before me, a Notary Public for said County, personally appeared TERESA Y. PHILLIPS known to me to be the person who executed the foregoing instrument and acknowledged it to be her act and deed.

Witness my hand and seal this 28th day of July, 2005.

Lycia R. Phipps
Notary Public



My commission expires: 8/22/2009